



2016

IOWA COMMUNICATIONS NETWORK ANNUAL INFRASTRUCTURE REPORT

RIC LUMBARD
EXECUTIVE DIRECTOR

January 13, 2017

This report is being submitted to the Legislative Services Agency in accordance with several sections of the Iowa Code, including Code Sections 8.57(6)(h) and (i), 8.57A(5), 8.57B(5), 8.57C(4), 12.E12, 12.79, 12.88, and 12.88A.

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Infrastructure Appropriations for the *Equipment Project*

Description:

The ICN has received appropriations for Fiscal Years 2009 through 2016 to replace and upgrade equipment that is reaching its end of functional life. Following is an explanation of the two multi-year equipment replacement projects funded by the appropriations.

Voice (Local Telephone System) equipment serving state agencies on the Capitol Complex and surrounding areas

ICN has partnered with CenturyLink to provide third-party voice solution that will include the desired features; free long distance and 800, the ability to comply with new eDiscovery laws, unified communications features, and the ability to have redundancy for the voice system. This will provide State agencies services on the Capitol Complex and surrounding area that will assist in reducing costs to State government.

ICN has used appropriated funds for the purchase of equipment and one-time spending for upgrading cable and power to enable agencies on the Capitol Complex to move towards new and innovative solutions for government.

Internet Services Technology Equipment

New video applications for education, healthcare, and other government services are moving to Internet Protocol (IP) technology. Capabilities offered by the new equipment would allow more simultaneous “IP” sessions and better quality Video over IP (VoIP) conferences. This funding complements the upgrades funded by the Broadband Stimulus funding received from the US Department of Commerce and allows the network to provide more robust services in a shorter time frame.

Progress:

Recent technology developments and agency demand for services have led the ICN to find a new solution that partners ICN with CenturyLink, which provides unified messaging and unified communications without the capital expenses of the past. The desired solution is a managed voice service that can take advantage of economies of scale to reduce costs to State agencies. This project is underway with 1093 seats moved to the new managed voice platform, and 80% of the cabling complete. The new managed voice service also enables the agencies outside of the complex to take advantage of the service allowing them to reduce costs. All legacy phones and equipment will be removed after voice services have been migrated over to the new platform.

The ICN selected equipment based on the H.323 protocol, which is an industry standard. The remaining appropriated funds will be used to provide data and video equipment at the remaining sites during the transition to the H.323 standard. ICN has established a sunset date for the legacy video platform. Securing a managed service for this platform should be underway in the next several months.

Total Estimated Cost of the Projects:

The total cost for these projects is estimated to be \$5 million for voice and \$15 million for Internet service equipment. The total amount includes funds previously appropriated.

Table 1. Appropriations and Spending for the Equipment Project

Revenue Sources	Fiscal Year	Appropriated Amount	Expended	Encumbered	Balance	Percent Complete	Est. Completion Date
0943/4U13	2013	\$ 2,198,653	\$ 243,746	\$ 497,882	\$ 2,198,653	23%	6/30/2016
0943/4U14	2014	\$ 2,198,653	\$ 0	\$ 0	\$ 2,198,653	0%	6/30/2017
0943/4U15	2015	\$ 2,245,653	\$ 0	\$ 0	\$ 2,245,653	0%	6/30/2018
0017/ER16	2016	\$ 2,248,653	\$ 0	\$ 0	\$ 2,248,653	0%	06/30/2019
0017/ER17	2017	\$ 1,150,000	\$ 0	\$ 0	\$ 1,150,000	0%	06/30/2020